

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/627,789	CHO, YOUNG SHIN	
	<b>Examiner</b>	<b>Art Unit</b>	
	Tuan C To	3663	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 07/24/2003.
2. ☒ The allowed claim(s) is/are 1-8.
3. ☒ The drawings filed on 24 July 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 09/03/03, 04/14/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

*Thomas G. Black*  
**THOMAS G. BLACK**  
**SUPERVISORY PATENT EXAMINER**  
**GROUP 3600**

### **EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE**

This communication is an Examiner's reasons for allowance in response to application filed on 07/24/2003, assigned serial 10/627,789 and titled "Shift Control Method and Apparatus of an Automatic Transmission."

The following is the Examiner's statement of reasons for the indication of allowable subject matter:

After studying the cited prior art with special attention, the examiner has realized the none of the references fairly discloses or suggests a shift control apparatus/method comprising: determining if an inhibitor switch is malfunctioning, detecting a current vehicle when the inhibitor switch is malfunctioning, determining if the current vehicle speed equals zero, obtaining a maximum vehicle speed of the reverse R range when the current vehicle speed does not equal zero, comparing the current vehicle with the maximum vehicle speed of the reverse R range, determining a target shift-speed on the basic of vehicle driving state parameters when the current vehicle speed is higher than the maximum speed of the reverse R range, and controlling actuators of the transmission such that the target shift-speed is engaged.

The reference to Shin et al. ('334A) discloses a system/method for determining an abnormal operating condition in speed ratio of an automatic transmission, however, Shin et al. do not teach that determining current vehicle speed, and if current vehicle speed is not equal zero, obtaining maximum vehicle speed at R range or determining target shift speed based on the basic of vehicle driving state parameters which are the vehicle speed, degree of accelerator.

Art Unit: 3663

For the reason set forth above, the application is now set in a condition for allowance.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan C To whose telephone number is (571) 272-6985.

The examiner can normally be reached on from 8:00AM to 5:00PM.

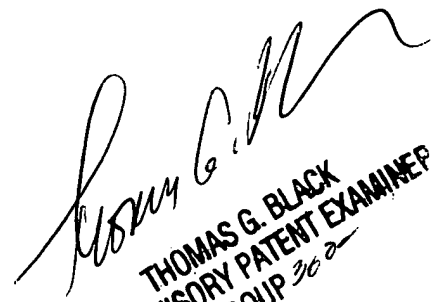
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on (571) 272-6956.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/tc

May 05, 2005

  
THOMAS G. BLACK  
SUPERVISORY PATENT EXAMINER  
GROUP 262